AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. CONTRACT ID CODE	PAGE OF PAGES
J	1 | 7

2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ. NO.	5. PROJECT NO. *(If applicable)*
0004	February 28, 2003	SP0600-03-0530	Northeast ENVR

6. **ISSUED BY** CODE **SCO600**

Defense Energy Supply Center
8725 John J. Kingman Road, Suite 2941
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Bruce A.D. Jones/DESC-FPA/703-767-9334
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Purchase Program: 6.1

7. **ADMINISTERED BY** (*If other than Item 6*) CODE

8. **NAME AND ADDRESS OF CONTRACTOR** (*NO., street. State, and zip code)*

CODE : FACILITY CODE Cage Code :

(✓) X

9A. AMENDMENT OF SOLICITATION NO.
SP0600-03-R-0027

9B. DATED *(SEE ITEM 11)*
January 28, 2003

10A. MODIFICATION OF CONTRACT/ORDER NO.

10B. **DATED** *(SEE ITEM 13)*

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

[**X**] The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers [] is extended [**X**] is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following Methods: (a) By completing Items 8 and 15, and returning **1** copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted ; or (c) by separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change May be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. **ACCOUNTING AND APPROPRIATION DATA** *(If required)*

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

	A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: *(Specify authority)* THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.
	B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES *(such as changes in paying office appropriation date, etc.)* SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)
	C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:
	D. OTHER *Specify type of modification and authority)*

E. **IMPORTANT:** Contractor [] is not, [ ] is required to sign this document and return ____ copies to the issuing office.

14. DESCRIPTION OF AMENDMENT/MODIFICATION ***(Organized by UCF section headings, including solicitation/contract subject matter where feasible.)***

Solicitation SP0600-03-R-0027 is hereby amended as follows:

a. Delete Clause L201.01.100, SPECIFIC INSTRUCTIONS FOR PREPARING OFFEROR (DESC DEC 2002) and insert the attached Clause L201.01.100, SPECIFIC INSTRUCTIONS FOR PREPARING OFFEROR (DESC FEB 2003). (See Page 2 - 6)

b. Questions received as a result of this solicitation are included with the government response beginning on page 7.

c. The closing date on the title page of Attachment 2, Offerors Submission Package, is changed from March 8, 2003 @ 3 p.m. Eastern Standard Time to March 11, 2003 @ 3 p.m. Eastern Standard Time.

d. Conference attendee lists for FISC Norfolk VA is also attached.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. **NAME AND TITLE OF SIGNER** (*Type or print*)		16A. **NAME AND TITLE OF CONTRACTING OFFICER** ***(Type or print)***	
		AMY V. LOAR	
15B. **CONTRACTOR/OFFEROR** *(Signature of person authorized to sign)*	15C.**DATE SIGNED**	16B. **UNITED STATES OF AMERICA** *(Signature of Contracting Officer)*	16C.**DATE SIGNED**

L201.01.100 SPECIFIC INSTRUCTIONS FOR PREPARING OFFERS (DESC FEB 2003)
Offeror shall submit an original and one copy of their proposal, divided into the following clearly labeled five parts:

1. **CERTIFICATION PACKAGE:** Complete all required representations and certifications, and provide proposed prices in Clause B35. Clause B35 should be submitted on the disk provided at the preproposal conference and printed out in hard copy as part of the Certification Package. Prices proposed must be based on descriptions of tasks as stated in the Statement of Work.

2. TECHNICAL PROPOSAL: Technical proposal shall be complete enough to demonstrate the Offeror's understanding of the requirements and associated problems. Statements such as the "Offeror will comply", "standard procedures will be employed", or "well known techniques will be used" are inadequate. If sufficient information is not submitted, proposals may be considered technically unacceptable, which will exclude the proposal from further consideration. Proposals shall be submitted aligned with the evaluation factors set forth in Clause M28.04.100 to facilitate government review and evaluations of the proposals. The proposal shall consist of the completed SF33 (Solicitation, Offer, and Award), including Certifications and Representations, and the following information:

a. For the following TASKS, Offeror must provide the ***supplemental information*** described below:

(1) ***Proposed sediment and shellfish sampling protocols*** that comply with requirements for the States of Virginia and Rhode Island as required by TASK 7. Explain any ***assumptions*** that have been made in arriving at the proposed cost.

(2) For TASK 8 Sample Testing, the ***standard turnaround time*** in business days to obtain analytical result, and *surcharg*es to be added to proposed prices for 72-hour and 24-hour expedited turnaround.

(3) For TASKS 13AB, 13BB, 13CB, 13DB, 13EB, 13FB, 13GB, and 13HB the ***estimated number of Price Per Hour*** necessary to develop documentation of the applicable remediation system. Documentation is to be developed in sufficient detail to allow regulatory agency review and approval and following approval, procurement and installation of the system. Provide the price per hour to develop documentation in the appropriate blocks of Clause B35.

(4) For TASK 13B Bioremediation System, ***details of the work*** included in the proposed cost.

(5) For ALL TASKS, ***details of assumptions*** made by the Offeror. NOTE: Prices proposed in Clause B35, SERVICES TO BE FURNISHED AND PRICES (DESC XX XX) must be based on descriptions of tasks as stated in the Statement of Work.

b. For the **sample scenario** following subparagraph (8) below, prepare and submit the following:

NOTE: Where the offeror is required to submit a Detailed Breakdown of the Level of Effort, this shall consist of a listing using the line items that will be included in the contract (CLINs) (see Section B SUPPLIES/SERVICES AND PRICES/COSTS) that the offeror would anticipate using to accomplish the work. The submittal shall be in tabular form showing the CLIN and number of hours.

(1) A ***brief (1/2 type written page maximum) description*** of a proposed site closure strategy.

(2) A ***brief (1/2 type written page maximum) description*** of additional site assessment and program for the remediation in the quickest, most economical, and efficient manner.

(3) Provide a ***detailed breakdown of the level of effort*** to install fifteen 4" monitoring wells at the site for further assessment of the site. The level of effort shall include the development of a workplan. A written description of the work is not required.

(4) Provide a ***detailed breakdown of the level of effort*** to conduct an aquifer pump test to estimate the hydraulic characteristics of the saturated zone (aquifer test) and to evaluate the efficiency of the pumping well (well test). Pump test

shall be conducted using a submersible pump capable of pumping up to 10 gallons per minute. Electricity for the pump motor shall be supplied by diesel-powered generator. Groundwater shall be extracted from the well and the water level shall be monitored in 4 wells at a distance of 50, 35, 30 and 25 feet from the pumping well. Extracted water shall be stored in a contractor furnished 21,000 gallon tank. The pump test shall be conducted in three steps within two days. Pumping rates range from 4 to 8 gpm. For each pumping step, the rate shall be increased by a factor of about 1.5. Water levels shall be continuously monitored in the pump well and four observation wells prior to, during and after the pump test. Measurements shall be collected using data logger, pressure transducers and interface probe. During pumping from the recovery well, electrical conductivity, pH, temperature, turbidity and the volume pumped per unit time will shall be monitored. For this scenario assume that the wells are existing (in place). A written description of the work is not required.

(5) Provide a ***detailed breakdown of the level of effort*** needed to conduct air sparge testing on four test wells. For this scenario assume that all wells are existing (in place). Goal of air sparge testing is to:

a. Determine the effective radius of influence of the injected sparge air;

b. Determine the optimum air sparge pressure and flow rate;

c. Evaluate the feasibility of using sparging separately, or in conjunction with other technologies to achieve site cleanup goals; and

d. Evaluate the heterogeneity of subsurface vapor flow.

Prior to the air sparging test, initial groundwater conditions (depth-to-groundwater and dissolved oxygen concentration) shall be monitored in the four test wells. All groundwater monitoring wells used shall be gauged using an interface probe capable of measuring depth-to-water and depth-to-free product. Groundwater samples shall be obtained from the injection wells and an observation well, prior to commencement of air injection for the air sparge test. Each sample shall be collected using a disposable bailer. The samples shall be analyzed for total petroleum hydrocarbons (TPH) and for benzene, toluene, ethylbenzene, and total xylenes (BTEX) following EPA Methods 8015 (modified) and 8020.

Following the measurements of base line data in the observation and test wells, compressed air shall be introduced into the respective test sparge points. Air injection shall be controlled using a pressure regulator, and monitored using a flow meter. Three flow settings shall be used for the tests, performed as a pressure step-up tests at the test points.

After achieving calculated breakthrough pressure and stable conditions, the regulator shall be adjusted to supply 3 cubic feet per minute (cfm) of air flow to the test points for 1 to 2 Price Per Hour. During this period, the test points and observation wells shall be monitored at 30 minute intervals. The injection pressure shall be adjusted to produce 5 to 6 cfm, and then 8 to 9 cfm for the same durations in succession at each test point. Monitoring at the test points and observation wells shall continue every 30 minutes for the duration of the test. A written description of the work is not required.

Sample Scenario

SAMPLE SCENARIO:

(1) BACKGROUND**:** The site is a US Government owned facility for the receipt, storage, and distribution of military mobility fuels. Twelve field constructed underground tanks each with a capacity of approximately 3,500,000 gallons are used for storage. Fuel is transferred to, from, and within the facility primarily via underground pipelines. Previous site investigations have been performed which indicate the presence of free phase hydrocarbon.

(2) SITE GEOLOGY**:** The regional geology in the area is characterized as claystone, siltstone and minor sandstone. Based on the monitoring well drilling logs, the sites subsurface lithology consists of colluviums up to 30 feet thick. The colluvium grades into a highly weathered bedrock zone which overlies the rock units of the Penoche formation

(3) HYDROGEOLOGY**:** Based on the groundwater measurements in the monitoring wells, two water-bearing zones are present: an upper shallow water-bearing zone, and a lower regional groundwater system. Upper water-bearing zone is contained within the weathered bedrock and fill around the tanks, coincides with the topography, and flows away from the tanks in a radial pattern generally following surface topography. Depth to shallow aquifer is 25 feet. A lower water-bearing zone, which is hypothesized as being recharged from the upper zone through joints and fractures, has been identified at a depth of 90'. Groundwater flow within the lower water system is generally to the north toward a tidal estuary that borders the site.

(4) SOIL ANALYTICAL RESULTS: Soil samples collected from the soil borings were submitted for chemical analyses. The selected soil samples were analyzed for volatile organics, benzene, toluene, ethylbenzene, and total xylenes (BTEX) and aviation gasoline following EPA Methods 8020 and 8015; for total petroleum hydrocarbons (TPH) as JP4, JP5, and Jet-A by GC-FID and SW-846; and for total lead following EPA Method 7420.

One soil sample from the 10.0-foot sampling interval in each soil boring was submitted for chemical analyses. Analytical results indicated concentrations of benzene ranging from below the method detection limit to 3.9 mg/kg, toluene ranging from less than 0.005 to 11 mg/kg, ethylbenzene ranging from less than 0.005 to 7.6 mg/kg, and total xylenes ranging from less than 0.15 to 20 mg/kg, respectively. Concentrations of aviation gasoline ranged from less than 1 to 510 mg/kg. Concentrations of TPH as JP4 and JP5 were reported as below the method detection limits (10 mg/kg and 100 mg/kg). Concentrations of TPH as Jet-A ranged from less than 10, to 710 mg/kg. Total lead concentrations ranged from below the method detection limit (5 mg/kg) to 10 mg/kg.

(5) GROUNDWATER: Results for the most recent analysis of groundwater samples from a total of 13 wells are as follows:

(i) TPH as AVGAS reported in seven samples ranged from 11,000 to 58,000 ug/L.
(ii) Benzene was detected in nine groundwater samples at concentrations of 0.3 to 14 ug/L.
(iii) TPH as jet Fuel was reported in seven samples with the highest concentration reported at 195,000 ug/L.
(iv) Two wells contained SPH during monitoring, 0.5 and .75 -foot thickness of SPH. These wells are located in the area of the underground fuel pipeline network.
(v) Total lead was detected in ten samples at concentrations of 2.3 to 51 ug/L.

END OF SAMPLE SCENARIO

c. Previous cleanup experience and capabilities of the Offeror. Experience must be related to petroleum and have taken place within the past 15 years. Remediations that consist only of removal of contaminated soil to a landfill or pilot tests are not considered qualifying experience. Provide in tabular form for a maximum of 15 petroleum remediation projects, the following information: Project/Contract Name, Geographic Location of the Work, Remediation Technology Used, Planned and Actual Implementation Schedule, Budgeted and Actual Cost, Whether or Not Offeror has Performed Multiple Contracts for the Client, and the Name/Phone No. of Client Representative.

d. Project Manager experience. For the individual(s) who will be Project Manager for any contract resulting from this solicitation, provide in tabular form the following information for a maximum of 15 petroleum assessments, 10 petroleum remediations, and 5 emergency responses to petroleum discharge incidents: Project/Contract Name, Geographic Location of the Work, Assessment Technology Used, Remediation Technology Used, Whether or Not the Project was an Emergency response, Planned and Actual Implementation Schedule, Budgeted and Actual Cost, and the Name/Phone No. of Client Representative. For the petroleum remediation work experience portion of the form, remediations that consist only of removal of contaminated soil to a landfill or pilot tests are not considered qualifying experience.

e. State the amount of time needed, upon notification by DESC, for the project manager to arrive on site to assess a petroleum spill. Notification will be made during normal work hours. A response time in excess of 24 hours is unacceptable. Spill contingency plans exist for each site. Any contract awarded as a result of this solicitation will not be considered a first response type mechanism for emergency cleanup situations.

f. Provide a detailed breakdown of the level of effort needed to review all existing environmental reports generated for the sites to be included in this contract. Copies of reports are available as follows:

(i) FISC Norfolk: DFSP's Craney Island, Sewell's Point & Yorktown—on-site at Craney Island
(ii) DFSP Newington: Fort Belvoir, VA
(iii) DFSP Searsport: Ft Belvoir, VA
(iv) DFSP Melville: Fort Belvoir, VA
(v) DFSP Verona: At the Site

g. Complete the ANTICIPATED SUBCONTRACTING report form included with this solicitation. For the disciplines and trades listed, indicate whether the Offeror would anticipate performing the task "in-house" or use a subcontractor.

ANTICIPATED SUBCONTRACTING

DISCIPLINE/TRADE	PERFORM IN-HOUSE	SUBCONTRACT
Soil Gas Survey		
Geophysical Survey		
Soil Borings		
Monitoring Well Installation		
Direct Push Testing		
Analytical Testing		
Surveying		
Excavation		
Electrical Work		
Design of Remediation Systems		
Remediation System O&M		
Environmental Impact Assessments		
Environmental Permitting		
Community Relations Programs		
Construction Management		
Remediation System Installation		
Environmental Assessments		
UST Testing		
UST Removal		
Aquifer/Permeability Testing		
Health Risk Assessments		

h. The proposed prices in Clause B35, SERVICES TO BE FURNISHED AND PRICES (DESC DEC 2002), for Contract Line Item Numbers (CLIN) 0001 through 0017. Note that CLIN 0018 is to be expressed as the percent mark-up for overhead and profit (OH&P) that the contractor will charge for work ordered by the Government, the cost of which is not provided for under any other contract line item. CLIN 0018 is the only Task under this contract for which the contractor will be entitled to mark-ups for OH&P to be added to the direct cost of the work since it is assumed the prices offered on all other Tasks include OH&P. Prices proposed will be evaluated to determine the best value for the Government, and must be based on descriptions of tasks as contained in the Statement of Work.

3. PAST PERFORMANCE. The offeror must provide the ***following information*** for the three most recent contracts and subcontracts held, to include those in progress, that are most related to the proposed contract.

a. Name and address of contracting activity;
b. Points of contact (names of Contracting Officer, Contracting Officer's Representative, Administrative Contracting Officer program manager, etc., as applicable) and phone numbers of activity personnel;
c. Contract number;
d. Contract type and dollar value;
e. Brief description of the work;
f. Information on any significant problems encountered and corrective actions taken; and

g. A listing of subcontractors used for reference contracts/subcontracts with their designation as large business, small business, small disadvantaged business, veteran-owned small business, HUBZone small business, service-disabled veteran owned small business,or women-owned small business, or Historically Black Colleges and Universities and Minority Institutions.

4. **SOCIOECONOMIC PLAN.** The offeror must provide the ***following***:

a. A ***description of its efforts*** to ensure that small, small disadvantaged, veteran-owned small, HUBZone small, service-disabled veteran owned small, and women-owned small business concerns, and Historically Black Colleges and Universities and Minority Institutionswill have an equal opportunity to compete for subcontracts under any resultant contract. The description should include the offeror's proposed range of services, supplies, and any other support that will be provided to the offeror by small, small disadvantaged, veteran-owned small, HUBZone small, service-disabled veteran owned small, and women-owned small business concerns, and Historically Black Colleges and Universities and Minority Institutions. Specific names of any known subcontractors should be included.

b. A ***description of any future plans*** the offeror has for developing additional subcontracting opportunities for small, small disadvantaged, veteran-owned small, HUBZone small, service-disabled veteran owned small, and women-owned small business concerns, and Historically Black Colleges and Universities and Minority Institutions during the contract period.

c. The ***proportion of the offeror's proposal, as a percentage of dollars, that will be subcontracted*** to small, small disadvantaged, veteran-owned small, HUBZone small, service-disabled veteran owned small, and women-owned small businesses, and Historically Black Colleges and Universities and Minority Institutions.

5. **CONTRACTOR'S ACCOUNTING SYSTEM.** In accordance with Clause G17.01, ***provide written disclosure of the cost accounting system and practices*** for this contract which shall identify and record site specific costs on a site specific basis and by contract task order and line item. Site specific cost documentation for each contract task order must be readily retrievable and sufficiently identifiable to enable cross referencing with payment vouchers. The foregoing is in addition to and/or complimentary to other Cost Accounting Standards clauses in this contract.

Questions and Answers:

Question #1. Do you want the proposal presented in four separate binders (Volume I - Certification Package; Volume II - Technical Proposal; Volume III - Past Performance; and Volume IV - Socioeconomic Plan) or tabbed sections?

Answer: I have no preference. It is your option to submit four separate binders or one binder with each section tabbed and clearly marked.

Question #2: In Section M28.04.100 of the RFP, what is the relative importance of Past Performance in relation to Technical/Management and Price factors?

Answer: Technical/Management are significantly more important than all other factors. All other factors are rated equally.

Question #3: Is the Certification Package considered a separate volume - Volume 1?

Answer: Yes.

Question #4: Should we include the SF33, Reps and Certs, Clause B35, and the Amendments in the Certification Package?

Answer: Yes

Question #5: Section L.201.01.100 of the RFP states Part 2 should be labeled Technical Proposal and Section M28.04.100 states Technical/Management. Which is correct?

Answer: The Offeror's Submission Package should be submitted in the format as described in Clause L201.01.100 found in this amendment.

Question #6: How is the water generated by the Craney Island system treated before discharge or what is planned for treatment, if there is not a current need?

Answer: Groundwater enters the remediation building, 280, and passes through an oil water separator before being treated through an organo-clay filter. The treated groundwater is then discharged to the underground storm drain, and out through permitted outfall 004. Detailed system treatment is discussed in the Tank 272 O&M manual.

Question #7: Page 70, paragraph L201.01.100 2.a (1); if we are only proposing on the Norfolk site do we have to provide assumptions for the Rhode Island site?

Answer: No, only provide assumptions to the sites you are offering on in response to the solicitation.

Question #8: Page 73, paragraph L201.01.100 2(f); if we are only proposing on the Norfolk, VA site, do we have to provide detailed breakdown of the level of effort on the other sites listed in the solicitation?

Answer: No, only provide assumptions to the sites you are offering on in response to the solicitation.

Question #9: Page 74, paragraph L201.01.100 2(h); please clarify whether the Clause B35 schedule pricing should be direct costs only or should they include all material, equipment, labor, profit and overhead?

Answer: Clause B35, CLINs 0001 through 0017 should reflect all costs e.g., be front loaded with all costs associated in the performing the task. CLIN 0018 is the line item for which overhead and profit is allowable for work not identified in CLINs 0001 through 0017.

Question #10: Page 74, paragraph L201.01.100 2(h); this requirement for pricing is already required in L201.01.100.1. This appears to be redundant, is it required in both locations?

Answer: Yes. Clause L201.01.100 paragraph (h), provides additional clarifying instructions.

Question #11: What specific chemical analyses (CLIN0008B, etc.) are anticipated for shellfish samples collected to determine if hydrocarbon contamination exists?

Answer: Sediment samples should be analyzed for:

- TOC
- Particle Size distribution
- Metals (23) (EPA 6010, 7060, 7421, 7471)
- VOCs (EPA Method 8260B)
- SVOCs (EPA Method 8270C/SIM)
- Pesticides/PCBs

Shellfish tissue samples should be analyzed using EPA's "Methods for Sampling and Analyzing Contaminants in Fish and Shellfish Tissue". This information can be found on the Web at Http://www.epa.gov/waterscience/methods/fish.html. Analytes include metals, organochloride pesticides, organophosphate pesticides, chlorophenoxy herbicides, PAHs and PCBs.

FISC Norfolk Preproposal Conference Attendees:

Name	Company Name	Telephone	Email
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